How to Isolate Icons Within a Specific Area

Problem Statement

You want to create a map showing only the location of projects within a specific area on the map, and not show those projects located outside the area. Normally, you would use the selection tools to identify the area of your choice and export your Selection as a new map layer. However, whenever you create a new map layer from a Selection, all the styles of the icons shown on the original map layer are lost. In this instance, this procedure would not be the best way to proceed because your map uses multiple icon styles to show different kinds of projects, and you would have to recreate the style used for each icon.

What You Will Learn in this Exercise.

- How to isolate icons within a specific geography on a map.

- How to maintain the same styles for those icons as was shown on the original map.

- How to use the Selection Toolbox to display only a Selection Set.
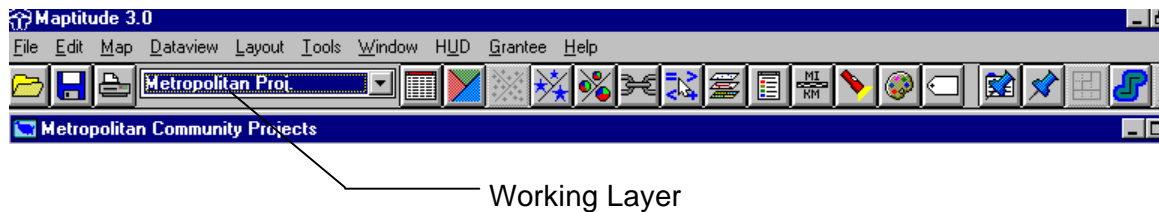
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Preparatory Steps

Using the Map Library tool, **open the following map:**

> Location: Study Area (or whatever designated area of choice)
> Map Category: Community Development Maps
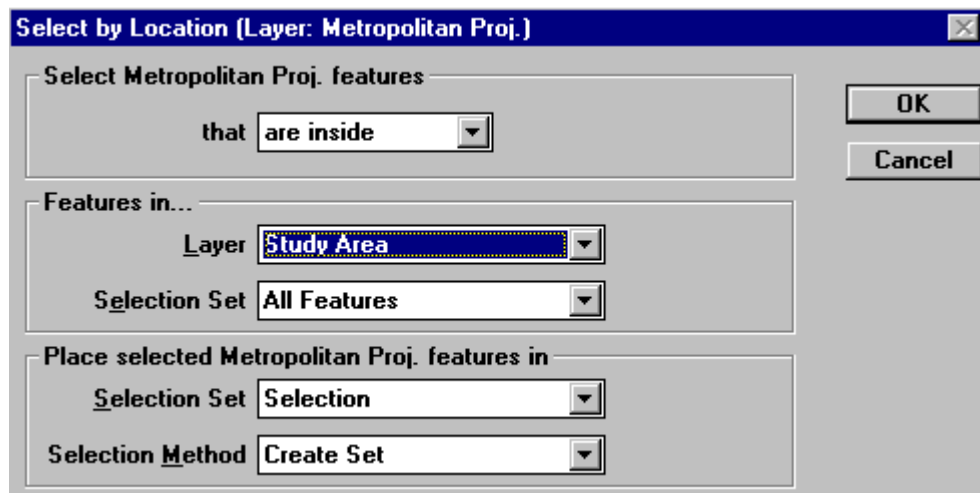> Map: Metropolitan Community Projects

Add the file **stdyarea.dbd**, located in C:\my_data, by **clicking on the Map Layers button** in the main menu toolbar and **clicking the Add Layer button** in the resulting dialog box. **Change the style of your Study Area Layer** (it is imported with a default black hairline style) **with the Style button** on the main menu toolbar, in order to better view it.

Steps to Maintaining Icon Styles in a Selected area:

1. Make sure that "Metropolitan Project" is selected as the Working Layer, as shown below:

Working Layer

2. **Choose *Dataview - Select by Location* from the main menu. The Select by Location dialog box will appear. **Make the choices indicated below and click OK.**
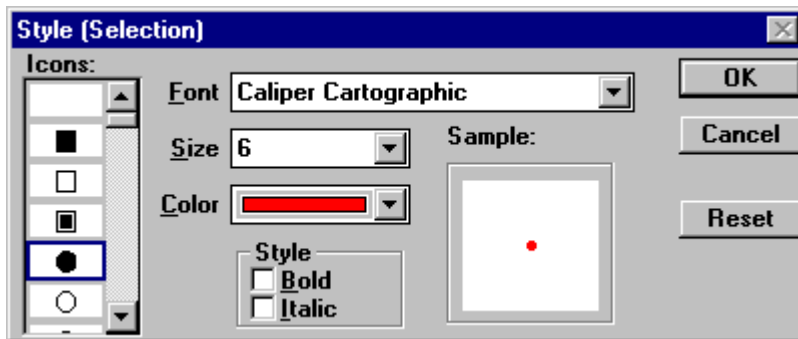
3. **Choose** *Tools - Selection* from the main menu. The Metropolitan Proj. Selection dialog box appears. The two buttons you will use in this exercise are identified below:

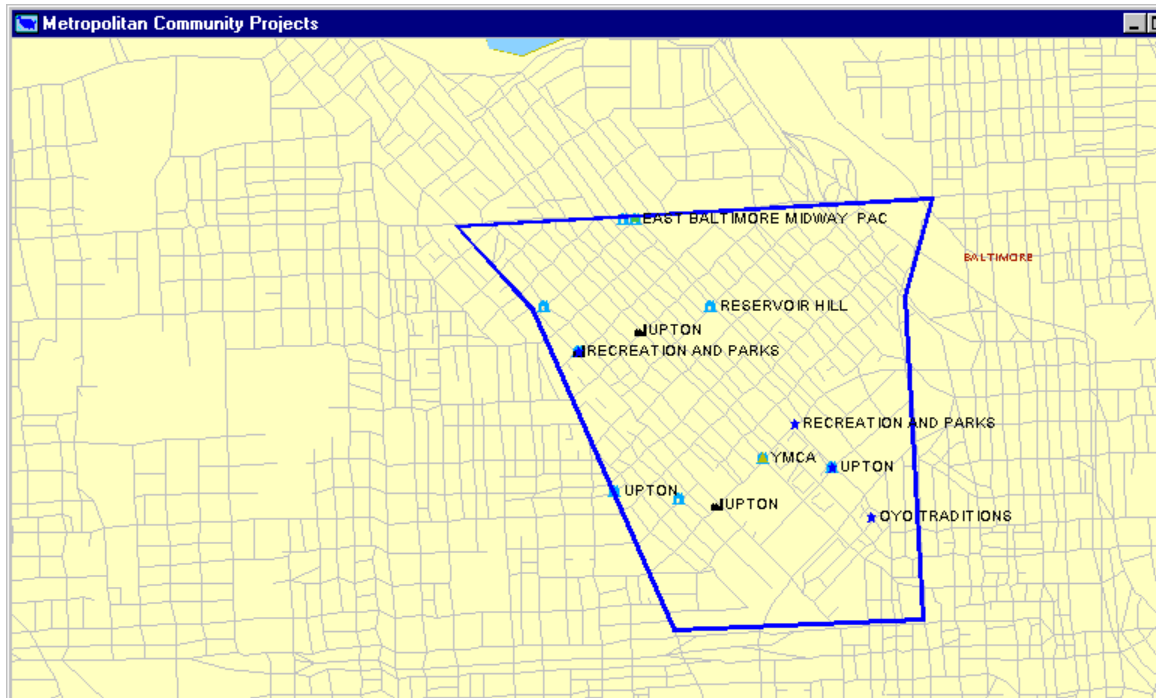Selection Style button ————————————— —— Show Selection Only/All Records

4. **Click on** *Selection Style button* in the Metropolitan Proj. Selection dialog box. The Style (Selection) dialog box will appear as shown below:

5. **Click on the** *Color* **drop down menu and change the color to black and click OK. Note:** Be sure to select the black color located at the top of the drop down menu.

6. **Click on the Show Selection Only/All Records button**, then close the Metropolitan Proj. Selection dialog box.

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7. **Maximize your map window**. The map should now look like this:

Note: Remember to save your changes.